

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No **TS00-680B**

Anticipated Classification of this application:

Class **438** Subclass **309**

Prior application:

Examiner: **Willie, Douglas A.**

Art Unit: **2814**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450



FILING UNDER 37 CFR 1.53(b)

This is a request for filing a

☐ Continuation
☒ Divisional

application under 37 CFR 1.53(b), of pending prior application

serial no. **10/056,622** filed on **1/28/02**

of **MIN-HWA CHI**

for **A GATE-CONTROLLED, NEGATIVE RESISTANCE DIODE DEVICE USING BAND-TO-BAND
TUNNELING**

1. Copy of Prior Application as Filed which is Attached

☒ I hereby verify that the attached papers are a copy of what is shown in my records to be the
above identified prior application, including the oath or declaration originally filed (37 CFR 1.53(b))
(See 6 for drawing requirements.)

☒ Declaration enclosed

2. Amendments


☒ **CANCEL IN THIS APPLICATION ORIGINAL CLAIMS 1-23** of the
prior application before calculating the filing fee. (At least one original independent claim must be
retained for filing purposes.)

Express Mail Certificate

Express Mail No. EV 313927180 US

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope
addressed to Assistant Commissioner of Patents, Washington, Dc 20231. Applicant and/or Attorney requests the date of deposit
as the Filing Date.

29 October 2003 (Date of Deposit)

 10/29/03 (Signature / Date)

☒ A preliminary amendment is enclosed. (Claims added by this amendment have been properly numbered consecutively beginning with the number next following the highest numbered original claim in the prior application.)

3. Fee Calculation

CLAIMS AS FILED				
FOR:	NO. FILED	NO. EXTRA	RATE	FEE
BASIC FEE				\$ 770.
TOTAL CLAIMS	9 -20=	0	x 18 =	\$ 0.
INDEP CLAIMS	1 -3=	0	x 86 =	\$ 0.
MULTIPLE DEPENDENT CLAIM PRESENTED			+ 260 =	

Filing Fee Calculation \$ 770

4. Method Of Payment of Fees

☒ Charge Account No. 19-0033 in the amount of \$ 770. A duplicate of this request is attached.

☒ The Commissioner Is hereby authorized to charge the following additional fees which may be required to Account No. 19-0033

☒ 37 CFR 1.16 (filing fees and presentation or extra claims)

5. Drawings

Note: Do not check the following box if prior case is not to be abandoned.

☐ Transfer the drawings from the prior application to this application and, subject to item 13 below, abandon said prior application as of the filing date accorded this application. A duplicate Copy of this request is enclosed for filing in the prior application file. (May only be used if signed by (1) applicant, (2) assignee of record or (3) attorney or agent of record authorized by 37CFR 1.138 and before payment of issue fee.)

☒ New drawings are enclosed

☒ formal

☐ Informal

6 Priority - 35 U.S.C. 119

☐ Priority of application serial no. _____ Filed on _____ In _____ Is claimed under 35 U.S.C. 119.

☐ The certified copy has been filed in *prior* application serial no. _____ filed on _____

7. Assignment

☒ The prior application is assigned of record to
TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY

8. Power of Attorney

☒ The power of attorney in the prior application is to **GEORGE O. SAILE, REG. NO. 19,572**

- a. ☒ The power appears in the original papers in the prior application
- b. ☐ Since the power does not appear in the original papers, a copy of the power in the prior application is enclosed.
- c. ☐ A new power has been executed and is attached.
- d. ☒ Address all future communications to

**George O. Saile
28 Davis Avenue
Poughkeepsie, N.Y. 12603**

9. Maintenance of copendency of Prior Application

(This item must be complete and the papers filed if the period set in the prior application has run)

☐ A petition, fee and response has been filed to extend the term in the pending prior application until _____.

☐ Please abandon the prior application when the petition for extension of time in that application is granted and when this application is granted a filing date so as to make this application copending with said prior application.

I hereby declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Stephen B. Ackerman, Reg. No. 37,761

Type name of person signing

Signature

October 29, 2003

Date

28 Davis Avenue

P.O. Address of Signatory

Poughkeepsie, NY 12603

Telephone No.: **(845) 452-5863**

☐ Inventor

☐ Assignee of complete interest

☐ Person authorized to sign on behalf of assignee

☒ Attorney or agent of record